**Pacing Guide for Middle Grades Math 7th**

**Halifax County Schools**

**2016 - 2017**

Grade 7

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| **Unit Title: THE NUMBER SYSTEM** | | | | | |
| **Big Idea: *What is the best way to find the truth?*** | | | | | |
| ***Unit*** | ***Dates*** | ***Days*** | ***Assessment*** | ***Topics*** | ***Standards*** |
| Unit 1  7-12% | August 29 - September 23, 2016 | 19 | **District Pre-Test:** Week of Aug. 29-Aug. 30, 2016  **Teacher-Generated Assessment Dates are Bi-weekly** | * Opposites & Absolute value * Number Systems * Comparing Rational Numbers * Adding & Subtracting Rational Numbers * Multiplying & Dividing Rational Numbers * Order of Operations | 6.NS.5  6.NS.6  7.NS.1a  7.NS.1b  7.NS.1c  7.NS.1d  7.NS.2a  7.NS.2b  7.NS.2c  7.NS.2d  7.NS.3 |

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| **Unit Title: EXPRESSIONS AND EQUATIONS** | | | | | |
| **Big Idea: *What is the best way to communicate?*** | | | | | |
| Unit 2  22-27% | September 26–November 22, 2016 | 41 | **Common Formative Assessment I:** Week of Oct. 5 - 7, 2016  **Teacher-Generated Assessment Dates are Bi-Weekly** | * Expressions & Equations * Expand linear expressions with rational coefficients * Combining like terms * Re-writing expressions * Multi-step problems using equations * One-two step equations * Solve and graph inequalities * Mental computation and estimation strategies * Solve problems by reasoning about the quantities * Solve word problems leading to inequalities * Solve word problems leading to equations | 7.EE.1  7.EE.2  7.EE.3  7.EE.4a  7.EE.4b |

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| **Unit Title: RATIOS AND PROPORTIONAL REASONING** | | | | | |
| **Big Idea: *What should we learn?*** | | | | | |
| Unit 3  22-27% | November 28, 2015 – February 10, 2017 | 44 | **Common Formative Assessment II:**  Week of Dec. 7-  Dec. 9, 2016  **Teacher-Generated Assessment Dates are Bi-Weekly** | * Ratios and Proportional relationships to solve multistep ratio and percent problems * Ratios of fractions, including ratios of lengths, areas and other quantities * Unit Rates in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships * Direct & Indirect relationships * Constant of Proportionality * A point (x, y) on the graph of a proportional relationship | 7.RP.1  7.RP.2a  7.RP.2b  7.RP.2c  7.RP.2d  7.RP.3  7.EE.2 |

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| **Unit Title: GEOMETRY** | | | | | |
| **Big Idea: *Does every conflict have a winner?*** | | | | | |
| Unit 4  22-27% | February 13 – April 13, 2017 | 44 | **Common Formative Assessment III:** Week of Feb 20 - Feb 24, 2017  **Teacher-Generated Assessment Dates are Bi-Weekly** | * Scale Drawing * Similar Figures * Area of 2-D figures * Area of irregular figures * Area of shades regions * Draw (freehand, with ruler and protractor, and with technology) geometric shapes * Slicing three-dimensional figures * Formulas for the area and circumference of a circle * Supplementary, complementary, vertical, and adjacent angles * Triangles, quadrilaterals, polygons, cubes, and right prisms (area, surface area, & volume) | 7.G.1  7.G.2  7.G.3  7.G.4  7.G.5  7.G.6 |

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| **UNIT TITLE: STATISTICS AND PROBABILITY** | | | | | |
| **Big Idea: *Do others see us more clearly than we see ourselves?*** | | | | | |
| Unit 5 & Unit 6  12-17% | April 24 – May 12, 2017 | 15 | **Teacher-Generated Assessment Dates are Bi-Weekly** | * Random sampling * Draw inferences from random sample * Measures of center * Measures of variability * Probability of chance * Experimental and Theoretical * Simple events * Compound events * Tree diagrams * Frequency tables * Organized lists * Simulations | 7.SP.1  7.SP.2  7.SP.3  7.SP.4  7.SP.5  7.SP.6  7.SP.7a  7.SP.7b  7.SP.8a  7.SP.8b  7.SP.8c |

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| **UNIT TITLE: COUNTDOWN TO THE EOG** | | | | | | |
| Unit 7 | May 15 – June 9, 2017 | 24 | **Common Formative Assessment IV (Post Test):** Week of May 15 – 19, 2017  **Teacher-Generated Assessment Dates are Bi-weekly** | EOG REVIEW   * Formulas * Vocabulary * Symbols * Test-Taking Strategies * Number System * Ratios and Proportions * Algebra * Geometry * Statistics | 7.EE.1  7.EE.2  7.EE.3  7.EE.4a  7.EE.4b  7.RP.1  7.RP.2a  7.RP.2b  7.RP.2c  7.RP.2d  7.RP.3 | 7.G.1  7.G.2  7.G.3  7.G.4  7.G.5  7.G.6 |

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| **Dates** | **Events to Remember** |
| 08/29/2016-8/31/2016 | Pre- Assessment (Options – NC Released Test, Study Island Diagnostic, or Schoolnet) |
| 09/19/2016 – 09/23/2016 | HS 1st Common Assessment (Math I – HS) |
| 10/5/2016 - 10/7/2016 | 1st Common Assessment (Middle) |
| 10/13/2016 | PLC Meeting (MS/HS) Teachers |
| 10/26/2016 – 10/28/2016 | HS 2nd Common Assessment (Math I – HS) |
| 12/7/2016 - 12/9/2016 | 2nd Common Assessment (Middle) |
| 12/07/2016 – 12/9/2016 | HS 3rd Common Assessment (Math I – HS) |
| 12/15/2016 | PLC Meeting (MS/HS) Teachers |
| 2/20/2017 - 2/24/2017 | 3rd Common Assessment (Middle) |
| 2/20/2017 - 2/24/2017 | HS 4th Common Assessment (Math I – HS) |
| 3/9/2017 | PLC Meeting (MS/HS) Teachers |
| 4/10/2017 – 4/13/2017 | HS 5th Common Assessment (Math I – HS) |
| 5/15/2017 - 5/19/2017 | Post Assessment (Middle/High) |
| 5/11/2017 | PLC Meeting (MS/HS) Teachers |

**Legend: High School**

**Middle School**

**Both Middle & High (PLC)**